

Analyte	Station ID Sample ID Sample Date Sample time Latitude Longitude				GKMSE111 GKMSE111 081415 8/14/2015 09:39 (b) (6)
					Sub Location
Metals, Total	CAS NO	Units		EPA RBC	Lab Result
Aluminum	7429-90-5	mg/kg dry wt		3300000	14000
Antimony	7440-36-0	mg/kg dry wt		1300	2 J-
Arsenic	7440-38-2	mg/kg dry wt		4200	28
Barium	7440-39-3	mg/kg dry wt		670000	180
Beryllium	7440-41-7	mg/kg dry wt		6700	1.9
Cadmium	7440-43-9	mg/kg dry wt		1700	6
Calcium	7440-70-2	mg/kg dry wt			3900 J
Chromium	7440-47-3	mg/kg dry wt		4300000	9.6
Cobalt	7440-48-4	mg/kg dry wt		1000	24 J
Copper	7440-50-8	mg/kg dry wt		130000	220
Iron	7439-89-6	mg/kg dry wt		2300000	37000
Lead	7439-92-1	mg/kg dry wt		20000	440
Magnesium	7439-95-4	mg/kg dry wt			4300
Manganese	7439-96-5	mg/kg dry wt		160000	3800
Mercury	7439-97-6	mg/kg dry wt		1000	0.074
Molybdenum	7439-98-7	mg/kg dry wt		17000	5.2
Nickel	7440-02-0	mg/kg dry wt		67000	15 J+
Potassium	7440-09-7	mg/kg dry wt			1400 J-
Selenium	7782-49-2	mg/kg dry wt		17000	1.1
Silver	7440-22-4	mg/kg dry wt		17000	2.8
Sodium	7440-23-5	mg/kg dry wt			64 UJ
Thallium	7440-28-0	mg/kg dry wt		33	0.34
Vanadium	7440-62-2	mg/kg dry wt		17000	29 J+
Zinc	7440-66-6	mg/kg dry wt		1000000	2000

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UJ = The material was analyzed for, but was not detected. The associated value is an estimate and may be inaccurate or imprecise

UJB = The analyte was detected in the sample below the reporting limit and in either the associated laboratory blank or field blank; the analyte result was reported as non-detected at the RL due to blank contamination. The reported quantitation limit is approximate and may or may not represent the actual limit of quantitation necessary to accurately and precisely measure the analyte in the sample.

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R = Reported value is "rejected." The sample results are rejected due to serious deficiencies in meeting QC criteria. The data are unusable. The analyte may or may not be present in the sample.

F1 = MS and/or MSD Recovery is outside acceptance limits.

HF = Field parameter with a holding time of 15 minutes. Test performed by laboratory at client's request.

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Highlighted Yellow: indicates result exceeded Screening Value

Analyte	Station ID Sample ID Sample Date Sample time Latitude Longitude				GKMSE112 GKMSE112 081415 8/14/2015 10:39 (b) (6)
					Sub Location
Metals, Total	CAS NO	Units		EPA RBC	Lab Result
Aluminum	7429-90-5	mg/kg dry wt		3300000	11000
Antimony	7440-36-0	mg/kg dry wt		1300	0.68 J-
Arsenic	7440-38-2	mg/kg dry wt		4200	12
Barium	7440-39-3	mg/kg dry wt		670000	110
Beryllium	7440-41-7	mg/kg dry wt		6700	1.3
Cadmium	7440-43-9	mg/kg dry wt		1700	4.1
Calcium	7440-70-2	mg/kg dry wt			2000 J
Chromium	7440-47-3	mg/kg dry wt		4300000	11
Cobalt	7440-48-4	mg/kg dry wt		1000	20 J
Copper	7440-50-8	mg/kg dry wt		130000	110
Iron	7439-89-6	mg/kg dry wt		2300000	22000
Lead	7439-92-1	mg/kg dry wt		20000	300
Magnesium	7439-95-4	mg/kg dry wt			3800
Manganese	7439-96-5	mg/kg dry wt		160000	3200
Mercury	7439-97-6	mg/kg dry wt		1000	0.017 J
Molybdenum	7439-98-7	mg/kg dry wt		17000	3
Nickel	7440-02-0	mg/kg dry wt		67000	19 J+
Potassium	7440-09-7	mg/kg dry wt			1400 J-
Selenium	7782-49-2	mg/kg dry wt		17000	0.48 J
Silver	7440-22-4	mg/kg dry wt		17000	0.71
Sodium	7440-23-5	mg/kg dry wt			56 UJ
Thallium	7440-28-0	mg/kg dry wt		33	0.29
Vanadium	7440-62-2	mg/kg dry wt		17000	20 J+
Zinc	7440-66-6	mg/kg dry wt		1000000	1800

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Analyte	Station ID Sample ID Sample Date Sample time Latitude Longitude				GKMSE113 GKMSE113 081415 8/14/2015 11:25 (b) (6)
					Sub Location
Metals, Total	CAS NO	Units		EPA RBC	Lab Result
Aluminum	7429-90-5	mg/kg dry wt		3300000	19000
Antimony	7440-36-0	mg/kg dry wt		1300	3.1 J-
Arsenic	7440-38-2	mg/kg dry wt		4200	51
Barium	7440-39-3	mg/kg dry wt		670000	170
Beryllium	7440-41-7	mg/kg dry wt		6700	3
Cadmium	7440-43-9	mg/kg dry wt		1700	8.7
Calcium	7440-70-2	mg/kg dry wt			3700 J
Chromium	7440-47-3	mg/kg dry wt		4300000	10
Cobalt	7440-48-4	mg/kg dry wt		1000	40 J
Copper	7440-50-8	mg/kg dry wt		130000	290
Iron	7439-89-6	mg/kg dry wt		2300000	63000
Lead	7439-92-1	mg/kg dry wt		20000	900
Magnesium	7439-95-4	mg/kg dry wt			3600
Manganese	7439-96-5	mg/kg dry wt		160000	4800
Mercury	7439-97-6	mg/kg dry wt		1000	0.14
Molybdenum	7439-98-7	mg/kg dry wt		17000	12
Nickel	7440-02-0	mg/kg dry wt		67000	23 J+
Potassium	7440-09-7	mg/kg dry wt			2000 J-
Selenium	7782-49-2	mg/kg dry wt		17000	2.5
Silver	7440-22-4	mg/kg dry wt		17000	5.8
Sodium	7440-23-5	mg/kg dry wt			200 UJ
Thallium	7440-28-0	mg/kg dry wt		33	0.41
Vanadium	7440-62-2	mg/kg dry wt		17000	40 J+
Zinc	7440-66-6	mg/kg dry wt		1000000	3400

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Analyte	Station ID Sample ID Sample Date Sample time Latitude Longitude				GKMSE39 GKMSE39 083115 8/31/2015 14:00 (b) (6)
					Sub Location
Metals, Total	CAS NO	Units		EPA RBC	Lab Result
Aluminum	7429-90-5	mg/kg dry wt		3300000	11000
Antimony	7440-36-0	mg/kg dry wt		1300	0.23 J-
Arsenic	7440-38-2	mg/kg dry wt		4200	18
Barium	7440-39-3	mg/kg dry wt		670000	100 J+
Beryllium	7440-41-7	mg/kg dry wt		6700	1.2
Cadmium	7440-43-9	mg/kg dry wt		1700	5.6
Calcium	7440-70-2	mg/kg dry wt			2800
Chromium	7440-47-3	mg/kg dry wt		4300000	13
Cobalt	7440-48-4	mg/kg dry wt		1000	19
Copper	7440-50-8	mg/kg dry wt		130000	190
Iron	7439-89-6	mg/kg dry wt		2300000	24000
Lead	7439-92-1	mg/kg dry wt		20000	470
Magnesium	7439-95-4	mg/kg dry wt			4300
Manganese	7439-96-5	mg/kg dry wt		160000	1400
Mercury	7439-97-6	mg/kg dry wt		1000	0.049
Molybdenum	7439-98-7	mg/kg dry wt		17000	3
Nickel	7440-02-0	mg/kg dry wt		67000	19
Potassium	7440-09-7	mg/kg dry wt			2000 J+
Selenium	7782-49-2	mg/kg dry wt		17000	0.57 J
Silver	7440-22-4	mg/kg dry wt		17000	2.6
Sodium	7440-23-5	mg/kg dry wt			110 J
Thallium	7440-28-0	mg/kg dry wt		33	0.35
Vanadium	7440-62-2	mg/kg dry wt		17000	27
Zinc	7440-66-6	mg/kg dry wt		1000000	1700

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Analyte	Station ID Sample ID Sample Date Sample time Latitude Longitude				GKMSO003 GKMSO003 091115 9/11/2015 15:42 (b) (6)
					Sub Location
Metals, Total	CAS NO	Units		EPA RBC	Lab Result
Aluminum	7429-90-5	mg/kg dry wt		3300000	13000
Antimony	7440-36-0	mg/kg dry wt		1300	0.13 J-
Arsenic	7440-38-2	mg/kg dry wt		4200	16
Barium	7440-39-3	mg/kg dry wt		670000	130 J+
Beryllium	7440-41-7	mg/kg dry wt		6700	1
Cadmium	7440-43-9	mg/kg dry wt		1700	4.4
Calcium	7440-70-2	mg/kg dry wt			3200
Chromium	7440-47-3	mg/kg dry wt		4300000	16
Cobalt	7440-48-4	mg/kg dry wt		1000	12
Copper	7440-50-8	mg/kg dry wt		130000	230
Iron	7439-89-6	mg/kg dry wt		2300000	27000
Lead	7439-92-1	mg/kg dry wt		20000	880
Magnesium	7439-95-4	mg/kg dry wt			5900
Manganese	7439-96-5	mg/kg dry wt		160000	3000
Mercury	7439-97-6	mg/kg dry wt		1000	0.09
Molybdenum	7439-98-7	mg/kg dry wt		17000	3.9 J
Nickel	7440-02-0	mg/kg dry wt		67000	14
Potassium	7440-09-7	mg/kg dry wt			2600
Selenium	7782-49-2	mg/kg dry wt		17000	0.44 J
Silver	7440-22-4	mg/kg dry wt		17000	3.9
Sodium	7440-23-5	mg/kg dry wt			83 J
Thallium	7440-28-0	mg/kg dry wt		33	0.24
Vanadium	7440-62-2	mg/kg dry wt		17000	29
Zinc	7440-66-6	mg/kg dry wt		1000000	880

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Analyte	Station ID Sample ID Sample Date Sample time Latitude Longitude				GKMSO004 GKMSO004 091115 9/11/2015 16:00 (b) (6)
					Sub Location
Metals, Total	CAS NO	Units		EPA RBC	Lab Result
Aluminum	7429-90-5	mg/kg dry wt		3300000	15000
Antimony	7440-36-0	mg/kg dry wt		1300	0.03 J-
Arsenic	7440-38-2	mg/kg dry wt		4200	4.7
Barium	7440-39-3	mg/kg dry wt		670000	140 J+
Beryllium	7440-41-7	mg/kg dry wt		6700	0.91
Cadmium	7440-43-9	mg/kg dry wt		1700	0.77
Calcium	7440-70-2	mg/kg dry wt			8500
Chromium	7440-47-3	mg/kg dry wt		4300000	24
Cobalt	7440-48-4	mg/kg dry wt		1000	8.5
Copper	7440-50-8	mg/kg dry wt		130000	30
Iron	7439-89-6	mg/kg dry wt		2300000	20000
Lead	7439-92-1	mg/kg dry wt		20000	72
Magnesium	7439-95-4	mg/kg dry wt			9500
Manganese	7439-96-5	mg/kg dry wt		160000	750
Mercury	7439-97-6	mg/kg dry wt		1000	0.015 J
Molybdenum	7439-98-7	mg/kg dry wt		17000	0.95 J
Nickel	7440-02-0	mg/kg dry wt		67000	19
Potassium	7440-09-7	mg/kg dry wt			3200
Selenium	7782-49-2	mg/kg dry wt		17000	0.2 J
Silver	7440-22-4	mg/kg dry wt		17000	0.34
Sodium	7440-23-5	mg/kg dry wt			77 J
Thallium	7440-28-0	mg/kg dry wt		33	0.15
Vanadium	7440-62-2	mg/kg dry wt		17000	27
Zinc	7440-66-6	mg/kg dry wt		1000000	170

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